



ITEM #126

Ginkgo-PS™

Unique *Ginkgo biloba* formula supporting acute memory function and cognition

As advances in medical technology steadily lengthen the average human life span, we face the problem of retaining mental acuity throughout our lives. Several factors contribute to weakening mental function. As we age, the number of nerve cells in the brain steadily declines, partly because of oxidative damage caused by free radicals. In later years, many intellectual functions we once took for granted, such as memory tasks, require more effort and attention. However, maintaining good nutrition, continuing physical and intellectual activity, and supplementing our diet with standardized *Ginkgo biloba* extract and phosphatidylserine may help preserve cognitive health. USANA's **Ginkgo-PS** supplement combines these two powerful ingredients in a single tablet.*

Ginkgo's Many Health Benefits

The Chinese have traditionally used *Ginkgo biloba* in herbal form for thousands of years, and an extract of ginkgo leaves has been used widely for decades in Europe for supporting memory, attention span, and other neurological activity. *Ginkgo* extract contains a mix of bioflavonoids that provide antioxidant activity to reduce free-radical formation. Its most important role, however, is facilitating blood circulation throughout the body and maintaining healthy oxygenation.*

Phosphatidylserine (PS)

Phosphatidylserine, or PS, is the ideal complement to *Ginkgo biloba*. PS is a component of all cell membranes and is essential to proper cell function. It is found in highest concentration in the cell membranes of brain tissue.*

Why Ginkgo-PS™?

USANA is one of few major manufacturers to combine *Ginkgo biloba* and PS into a single product. In addition, USANA uses only standardized *Ginkgo biloba* extract. The high quality of our *Ginkgo biloba* extract combined with PS gives **Ginkgo-PS** clear advantages over other products on the market.

References

- Baumeister J, Barthel T, Geiss KR, Weiss M. Influence of phosphatidylserine on cognitive performance and cortical activity after induced stress. 2008. Nutritional Neuroscience 11(3):103-10.
- Camici O, Corazzi L. Phosphatidylserine translocation into brain mitochondria: Involvement of a fusogenic protein associated with mitochondrial membranes. 1997. Molecular and Cellular Biochemistry 175(1-2):71-80.
- Cenacchi T, Bertoldin T, Farina C, Fiori MG, Crepaldi G. Cognitive decline in the elderly: A double-blind, placebo-controlled multicenter study on efficacy of phosphatidylserine administration. 1993. Aging 5: 123-33.
- Crook TH, Tinklenberg J, Yesavage J, Petrie W, Nunzi MG, Massari DC. Effects of phosphatidylserine in age-associated memory impairment. 1991. Neurology 41(5):644-9.
- Kennedy DO, Haskell CF, Mauri PL, Scholey AB. Acute cognitive effects of standardised *Ginkgo biloba* extract complexed with phosphatidylserine. 2007. Human Psychopharmacology: Clinical and Experimental 22(4):199-210.
- Mozzi R, Buratta S. Brain Phosphatidylserine: Metabolism and Functions. 2009. Handbook of Neurochemistry and Molecular Neurobiology. Springer US, Part 1:39-58.
- Pietri S, Maurelli E, Drieu K, Culcasi M. Cardioprotective and Antioxidant Effects of *Ginkgo Biloba* Extract. 1997. J Mol Cell Cardiol 29(2):733-42.
- Smith PF, MacLennan K, Darlington CL. The neuroprotective properties of the *Ginkgo biloba* leaf: a review of the possible relationship to platelet-activating factor (PAF). 1996. J Ethnopharmacol 50(3):131-9.

- Cardiovascular Health
- Cellular Metabolic Health
- Skeleton/Structural Health
- Endocrine Health
- Brain/Nervous Health
- Digestion/Detox Health
- Immune Health

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Hybrid



*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.